

SURFACE USE PLAN

EXXON CORPORATION
YATES "C" FEDERAL #36
1305' FNL, 1305' FEL, SECTION 31, T-20-S, R-28-E
EDDY COUNTY, NEW MEXICO

1. **EXISTING ROADS** - Area map, Exhibit "A", is a reproduction of the U.S.G.S. New Mexico 15 minutes quadrangle. Existing and proposed roads are shown on the the exhibit. All roads shall be maintained in a condition equal that which existed prior to the start of construction.
 - A. Exhibit "A" shows the proposed development well site as staked.
 - B. From Carlsbad, New Mexico, travel north \pm 7 miles on Eddy County road. Turn east and travel \pm .4 miles. Follow flagged route 500' to location.
2. **PLANNED ACCESS ROADS** - Approximately \pm 500 l.f. of new access road will be constructed.
 - A. The access road will be crowned and ditched to a 12'-00" wide travel surface with a 40' right-of-way.
 - B. Gradient on all roads will be less than 5.00%.
 - C. Turnouts as necessary.
 - D. If needed, road will be surfaced with a minimum of 6" of caliche. This material will be obtained from a local source.
 - E. Centerline for the new access road has been flagged. Earthwork will be as required by field conditions.
 - F. Culverts in the access road will not be used. The road will be constructed to utilize low water crossings for drainage as required by the topography.
3. **LOCATION OF EXISTING WELLS IN A ONE-MILE RADIUS**
 - A. Water wells - None known.
 - B. Disposal wells - As shown on Exhibit "C".
 - C. Drilling wells - None.
 - D. Producing wells - As shown on Exhibit "C".
 - E. Abandoned wells - As shown on Exhibit "C".
4. If, upon completion, the well is a producer, Exxon Company, U.S.A., will furnish maps or plats showing On Well Pad facilities and Off Well Pad facilities (if needed) on a Sundry Notice before construction of these facilities starts.

5. LOCATION AND TYPE OF WATER SUPPLY

Water will be purchased locally from a private source and trucked over the access roads or piped in flexible lines laid on top of the ground.

6. SOURCE OF CONSTRUCTION MATERIALS

If needed, construction materials will be obtained from the drill site's excavations or from a local source. These materials will be transported over the access route as shown on Exhibit "A".

7. METHODS FOR HANDLING WASTE DISPOSAL

- A.
1. Drill cuttings will be disposed of in the reserve pit.
 2. Trash, waste paper, and garbage will either be contained in a fenced trash trailer or in a trash pit, fenced with mesh wire to prevent wind-scattering during storage. When the rig moves out, all trash and debris left at the site will be contained to prevent scattering and will be buried at least 36" deep within a reasonable period of time.
 3. Drilling mud additives remaining after completion of the well will be picked up by the supplier, including broken sacks.
 4. Sewage from trailer houses will drain into holes with minimum depth of 10'00". These holes will be covered during drilling and backfilled upon completion. A "porta John" will be provided for the rig crews. This will be properly maintained during the drilling operations and removed upon completion of the well.
 5. Chemicals remaining after completion of the well will be stored in the manufacturers containers and picked up by the supplier.
- B.
- Remaining drilling fluids will be allowed to evaporate in the reserve pit until the pit is dry enough for backfilling. In the event drilling fluids will not evaporate in a reasonable period of time they will be transported by tank truck to an state approved disposal site.

Water produced during testing of the well will be disposed of in the reserve pit. Oil produced during testing of the well will be stored in test tanks until sold and hauled from the site.

8. ANCILLARY FACILITIES

No camps or airstrips will be constructed.

9. WELL SITE LAYOUT

- A.
- Exhibit "B" (Scale 1" = 50') shows the proposed well site layout.
- B.
- This exhibit indicates proposed location of reserve and trash pits; and living facilities.

- C. Mud pits in the active circulating system will be steel pits and the reserve pit is proposed to be unlined, unless subsurface condition encountered during pit construction indicate that lining is needed for lateral containment of fluids.
- D. If needed, the reserve pit is to be lined with PVC or polyethylene liner. The pit liner will be 6 mils thick. Pit liner will extend a minimum, 2'-00" over the reserve pits dikes where the liner will be anchored down.
- E. The reserve pit will be fenced on three sides with four strands of barbed wire during drilling and completion phases. The fourth side will be fenced after all drilling operations have ceased. If the well is a producer, the reserve pit fence will be torn down. The reserve pit and those areas of the location not essential to production facilities will be reclaimed and seeded per BLM requirements.

10. PLANS FOR RESTORATION OF SURFACE

Rehabilitation of the location and reserve pit will start in a timely manner after all drilling operations cease. The type of reclamation will depend on whether the well is a producer or a dry hole.

However, in either event, the reserve pit will be allowed to dry properly, and fluid removed and disposed of in accordance with Article 7.B as previously noted. The pit area will then be leveled and contoured to conform to the original and surrounding area. Drainage systems, if any, will be reshaped to the original configuration with provisions made to alleviate erosion. These may need to be modified in certain circumstances to prevent inundation of the location's pad and surface facilities. After the area has been shaped and contoured, topsoil from the spoil pile will be placed over the disturbed area to the extent possible. Revegetation procedures will comply with BLM standards.

If the well is a dry hole, the pad and road area will be recontoured to match the existing terrain. Topsoil will be spread to the extent possible. Revegetation will comply with BLM standards.

Should the well be a producer, the previously noted procedures will apply to those areas which are not required for production facilities.

11. OTHER INFORMATION

- A. The topography is of a rolling terrain with vegetation of sagebrush and native grass. The soils are clay sand over caliche base.
- B. The surface is used to mainly access producing wells in the area and minimal grazing for livestock. It is administered by the BLM.
- C. An archeological study has been conducted for the location and new access road and submitted separately as stated in Exhibit "E".
- D. There are no buildings of any kind in the area.

12. OPERATOR'S REPRESENTATIVE - Exxon's field representative for contact regarding compliance with the Surface Use Plan is:

Before and During Construction:

M. J. Gallagher
P. O. Box 1600
Midland, Texas 79702
(915) 688-4940

After Construction:

Bill Burchard
P. O. Box 1600
Midland, Texas 79702
(915) 688-7893

13. CERTIFICATION - I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Exxon Corporation and its contractors/subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

NAME:

M. J. Gallagher

DATE:

4/30/90

TITLE: Civil Engineering Supervisor

Submit to Appropriate
District Office
State Lease-4 copies
Fee Lease-3 copies

State of New Mexico
E. Jy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

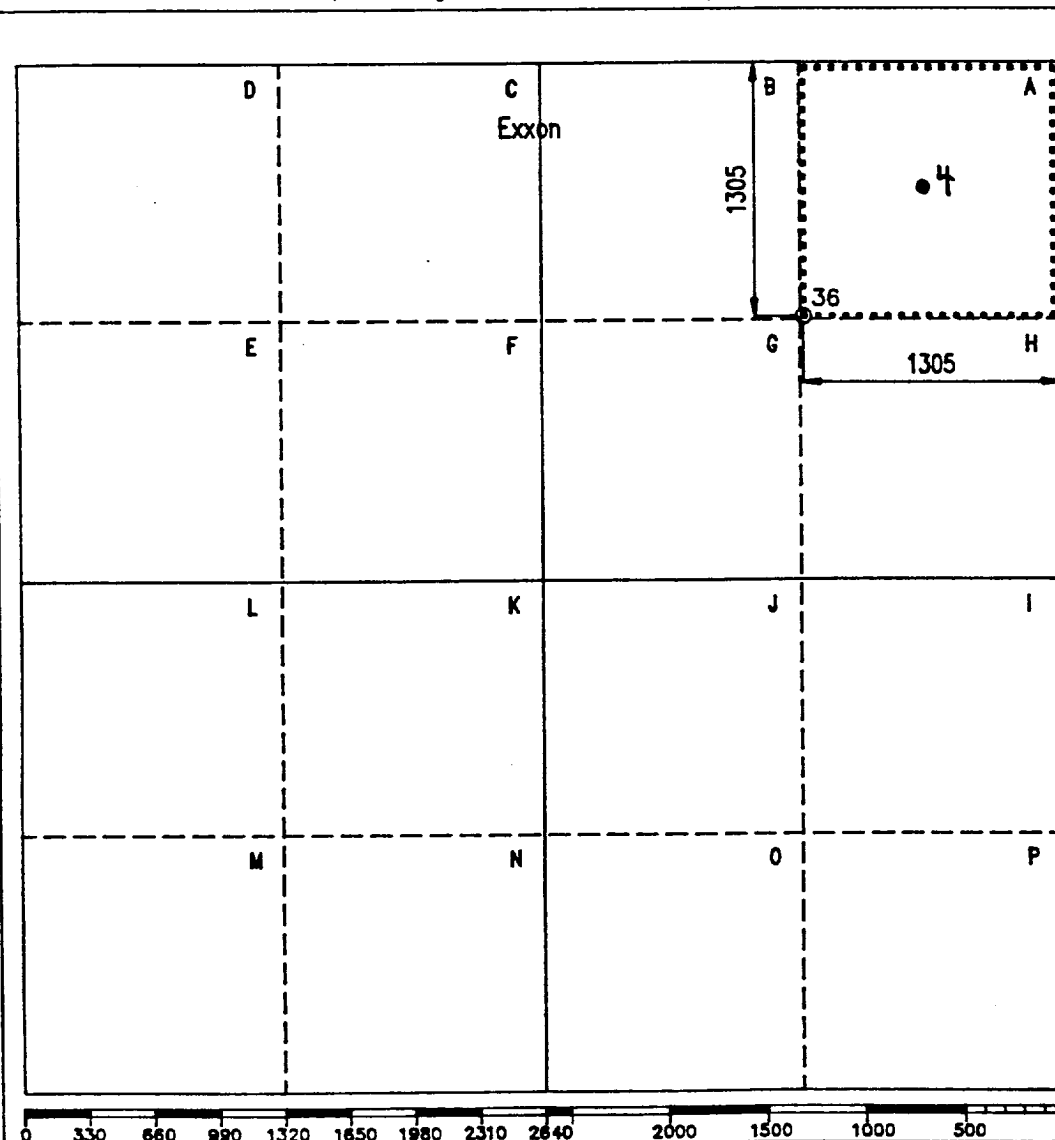
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section.

Operator Exxon Corporation			Lease YATES "C" FEDERAL		Well No. 36
Unit Letter A	Section 31	Township 20S	Range 28E	NMPM	County EDDY
Actual Footage Location of Well: 1305 feet from the NORTH line and 1305 feet from the EAST line.					
Ground level Elev. 3232'	Producing Formation DELAWARE		Pool AVALON DELAWARE		Dedicated Acreage: 40 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc?
☐ Yes ☐ No If answer is "yes", type of consolidation _____
If answer is "no", list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information
contained herein is true and complete to the
best of my knowledge and belief.

Signature

Printed Name

Position
PERMITS SUPERVISOR

Company **Exxon Corporation**
P.O. Box 1600-Midland, Tx.-79702
Date

SURVEYOR CERTIFICATION

I hereby certify that the well location
shown on this plat was plotted from field
notes of actual surveys made by me or
under my supervision, and that the same
is true and correct to the best of my
knowledge and belief.

Date Surveyed
3/21/90

Signature & Seal of
Professional Surveyor

Certificate No.

6 Miles NORTH of CARLSBAD, New Mexico.

C.E. File No. W-A-7922P

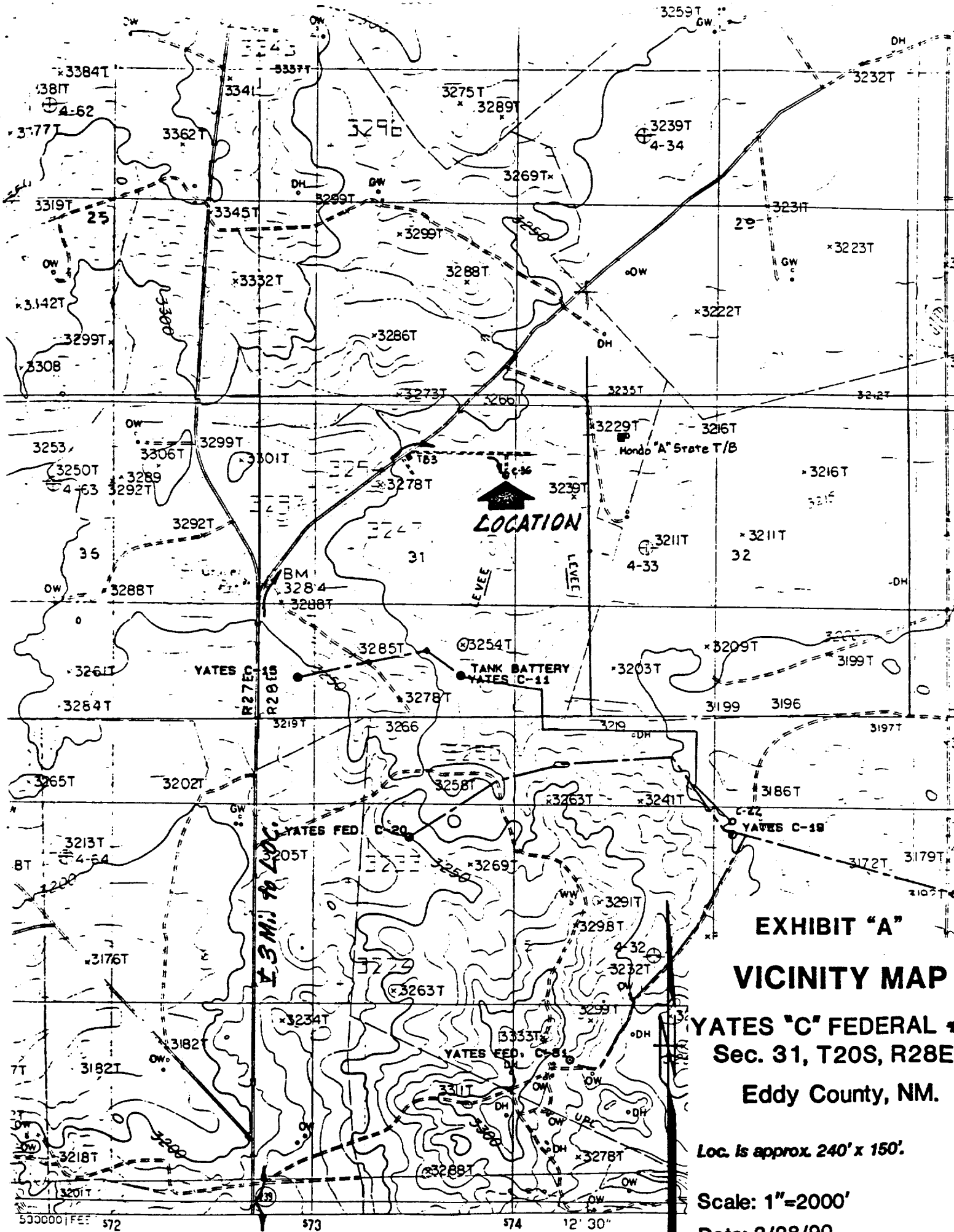


EXHIBIT "A"

VICINITY MAP

YATES "C" FEDERAL Land

Sec. 31, T20S, R28E

Eddy County, NM.

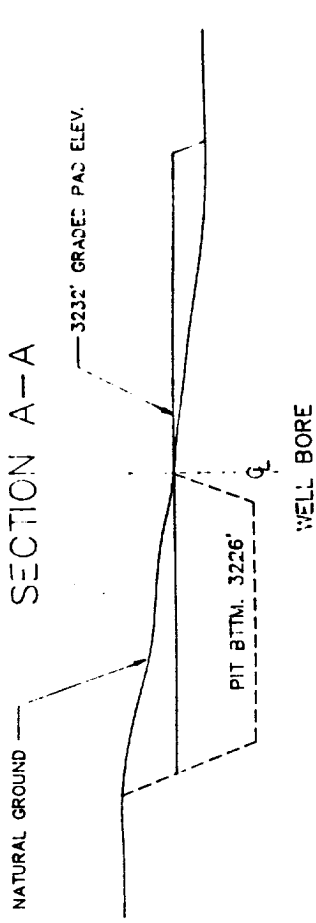
Loc. is approx 240' x 150'

Scale: 1"=2000'

Date: 3/28/90

DD

SECTION A-A



SECTION B-B

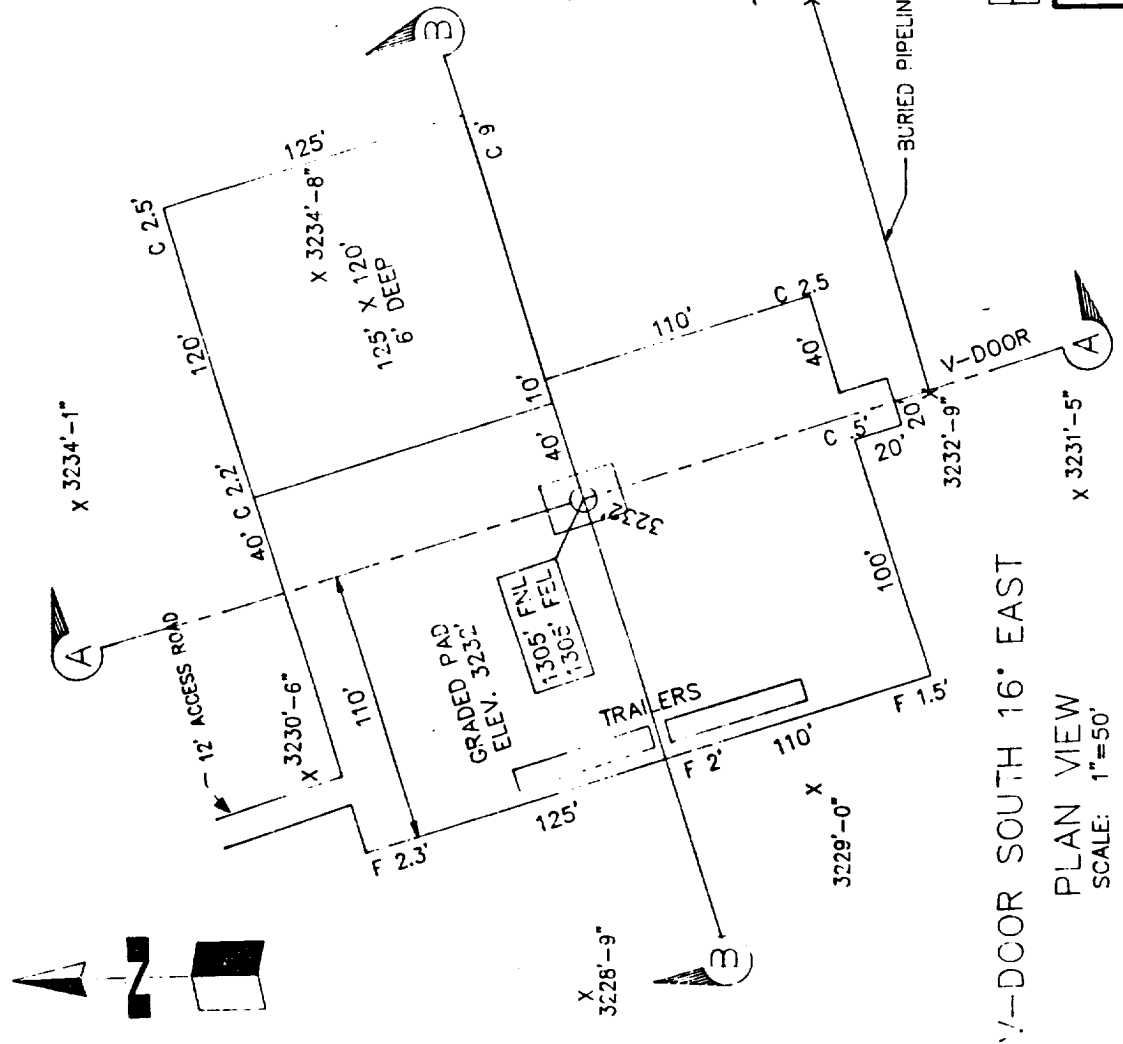
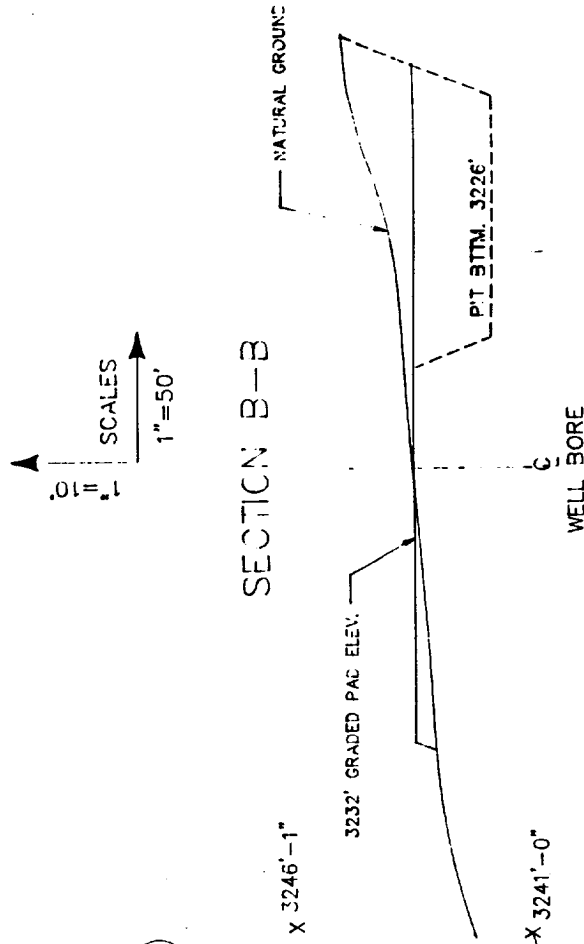


EXHIBIT "B"

V-DOOR SOUTH 16° EAST

V-DOOR SOUTH 16° EAST

PLAN VIEW
SCALE: 1"=50'

YATES "C" FEDERAL #36
1305' FN & EL'S SEC. 31, T20S, R28E
AVALON (DELAWARE) FLD.

EXXON COMPANY, U.S.A.
A DIVISION OF EXXON CORPORATION
PRODUCTION DEPARTMENT

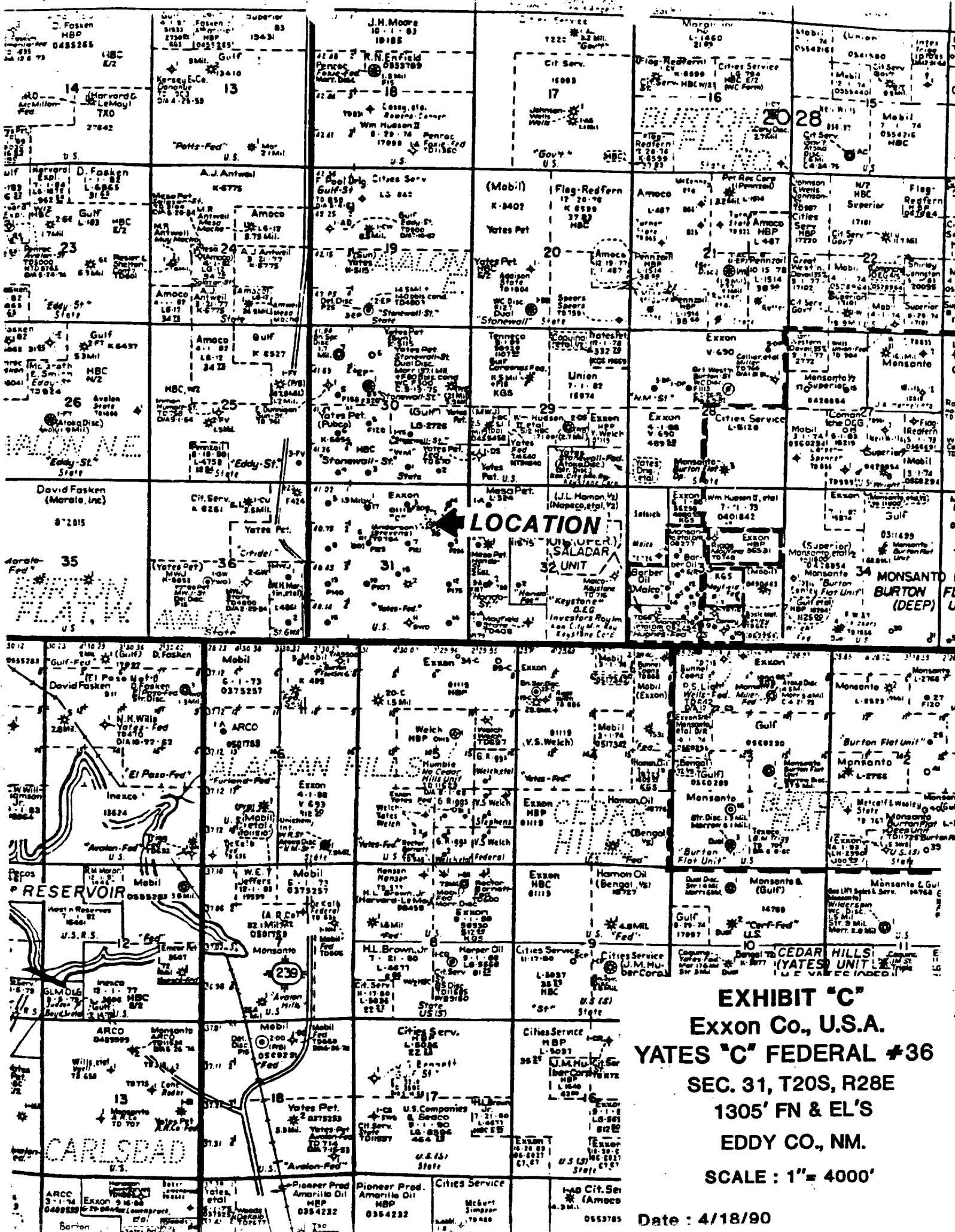


EXHIBIT "C"
Exxon Co., U.S.A.
YATES "C" FEDERAL #36
SEC. 31, T20S, R28E
1305' FN & EL'S
EDDY CO., NM.
SCALE : 1" = 4000'
Date : 4/18/90

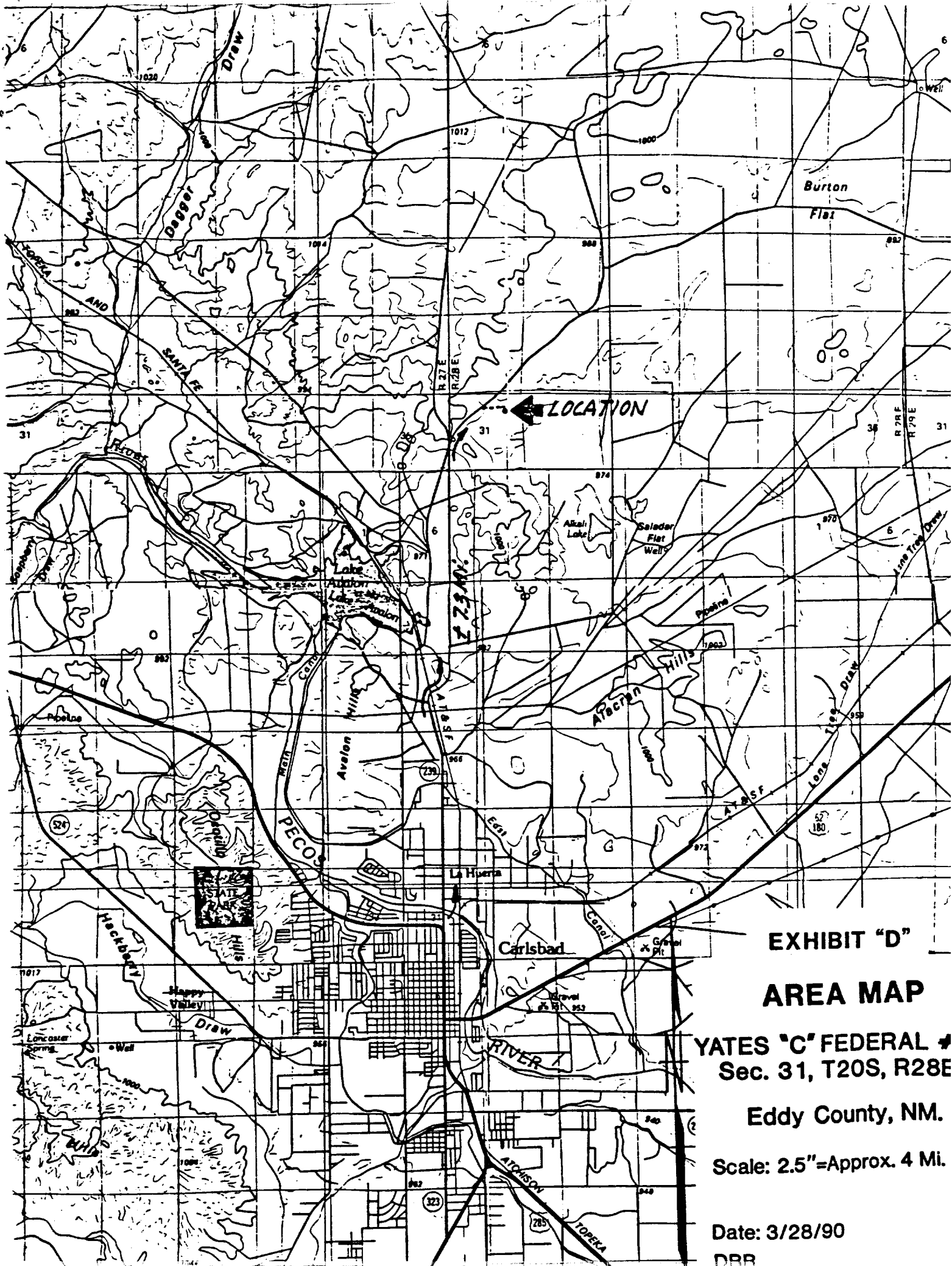


EXHIBIT "D"

AREA MAP

YATES "C" FEDERAL #
Sec. 31, T20S, R28E

Eddy County, NM.

Scale: 2.5"=Approx. 4 Mi.

Date: 3/28/90

DBB

EXHIBIT "E"

ARCHAEOLOGICAL SURVEY of the EXXON COMPANY, U.S.A.
YATES C-36 FEDERAL WELL & ACCESS ROAD R/W
T20S, R28E, SECTION 31 (NE¼NE¼)
[1305 FNL, 1305 FEL). EDDY COUNTY, NEW MEXICO

FEDERAL LAND SURFACE (U.S.G.S. 7.5', ANGEL DRAW, N.M., 1985)

ASC Report 90-30

by Dorothy M. Griffiths, Project Archaeologist
and James V. Sciscenti, Principal Investigator

ARCHAEOLOGICAL SURVEY CONSULTANTS
P.O. Drawer D, Roswell, New Mexico 88202
[505] 623-5012

PERMIT NO.: 18-2920-90-E

April 10, 1990

Prepared for:

Exxon Company, U.S.A.
P.O. Box 1600
Midland, Texas 79702
Attention: Dennis Crawford

Distribution:

~~Exxon~~ Company, U.S.A. (1)
BLM - Carlsbad Resource Area (2)
New Mexico SHPO (1)
Griffiths (1)

ARCHAEOLOGICAL SURVEY CONSULTANTS

CULTURAL RESOURCES EXAMINATION

on lands administered by the
Department of the Interior
Bureau of Land Management
Roswell District, New Mexico

ASC PERMIT NO.: 18-2920-90-E
ASC Job No.: 90-30; Exxon Co.
U.S.A., Yates C-36 Fed. Well
& Access Road, T20S, R28E, S.31

1. **ABSTRACT:** intensive archaeological survey of the Exxon Company, U.S.A., Yates C-36 Federal Well (400 ft. sq., 3.67 acres) and access road R/W (300 ft. long x 100 ft. wide, with a 150 ft. sq. delta, 0.86 acres). A total federal land surface of 4.53 acres was inspected for cultural remains.

Archaeological survey revealed the occurrence of a diffuse concentration of burnt caliche cobbles & fragments, ca. 10 ft. from the west perimeter of the proposed well pad; sub-surface investigations indicate that no charcoal or other datable material occurs. The find was designated as ASC Site 90-30-S1, to conform with BLM Site Category 1 requirements. The find does not appear significant past the level of field recording. Therefore, archaeological **CLEARANCE** for the Exxon Company, U.S.A., Yates C-36 Federal Well, and access road R/W, is **RECOMMENDED**.

2. **WELL PAD LOCATION:** T20S, R28E, Section 31, NE $\frac{1}{4}$ NE $\frac{1}{4}$ (1305 FNL, 1305 FEL). **ACCESS ROAD R/W LOCATION:** T20S, R28E, Section 31: NW $\frac{1}{4}$ NE $\frac{1}{4}$. Eddy County, New Mexico.

MAP REFERENCE: U.S.G.S. 7.5 minute series, ANGEL DRAW, NEW MEXICO, 1985.

3. **PROJECT DESCRIPTION:** well pad (400 ft. sq., 3.67 acres) and access road R/W (300 ft. long x 100 ft. wide, with a 150 ft. sq. delta, 0.86 acres), with a total federal land surface of 4.53 acres.

TOPOGRAPHY: situated on the east slope of a divide between the Lake Avalon/Pecos River drainage to the W/SW and the internal Alkali Lake drainage to the SE. The project is within an area draining to the south and southeast; the eastern part of the well pad is on the crest & slope of a ridge, with the western part of the pad in an area subject to sheet wash. The terrain is characterized by low coppice dunes and shallow sandy soil overlaying caliche deposits; caliche float is common on the toe of the ridge. **Soils:** Tonuco loamy sand. **Permanent Water:** Pecos River, ca. 2.65 miles S/SW. **Potential Water:** Alkali Lake, ca. 2.0 miles SE. **Elevation:** ca. 3228 ft. to 3244 ft. **Slope:** 0.29 to 2.05°. **Aspect:** S/SW. **Vegetation:** Grassland Formation, Mixed Scrub-grass community.

4. **EXAMINATION PROCEDURE:** straight and zig-zag transects, spaced no greater than 15 metres apart, with dogleash transects in the area of cultural material. Ca. 1.5 work hours on ground. Well pad centre/corners & access road R/W staked by client representative. **Visibility:** ground, ca. 75%; weather, sunny.

5. **FINDINGS:** BLM records for Section 31 (T20S, R28E) indicate the recording of NM-06-2656 (Ruebelmann, 3/23/90). The site will not be endangered by the well pad or access road R/W.

Archaeological survey revealed the occurrence of a diffuse concentration of burnt caliche cobbles & fragments, ca. 10 ft. from the west perimeter of the proposed well pad; sub-surface investigations indicate that no charcoal or other datable material occurs. The find was designated as ASC Site 90-30-S1, to conform with BLM Site Category 1 requirements. The find does not appear significant past the level of field recording. Further data occur in the attached ARMS form.

6. **RECOMMENDATIONS:** since the diffuse burnt caliche concentration (Site ASC 90-30) does not appear significant past the level of field recording, archaeological **CLEARANCE** for the Exxon Company, U.S.A., Yates C-36 Federal Well, and access road R/W, is **RECOMMENDED**.

Date of Examination: March 23, 1990

Project Archaeologist: D.M. Griffiths

Principal Investigator: [Signature]

[Signature]